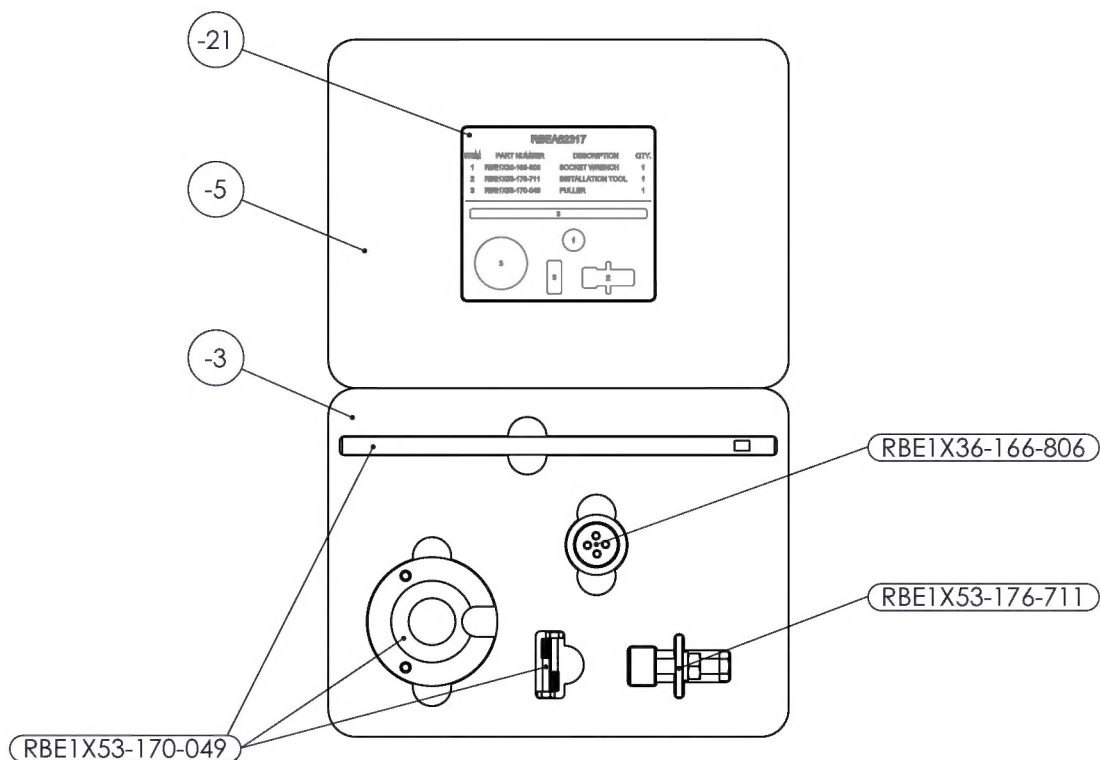


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0170	-1 CH'D MATERIAL WAS 4140 IS 4140/4142, ADDED HEAT TREAT RC 28-32, ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D. -3 & -5 CH'D MATERIAL WAS Y20 BLACK IS ETHAFOAM 220, BLACK, CHD DWG TO SHEET METAL TOLERANCE. -3 CH'D DIM WAS 8X R.72 IS 4X R.72, ADDED MISSING DIM 14X R.13, ADDED DIM 4X .72 X 45°. -5 ADDED CUTOUT FOR -21 PLACARD. -21 ADDED PLACARD. DELETED P/N'S -7, -9, & -11 FROM BOM SEE T/N.	10/13/2016	RJC	JAG
3	17-0124	DELETED -1, -13, -15, -17 (NOW PART OF RBE1X53-176-711). -3 CH'D DIMS WAS Ø3.40 ∇ .95 IS Ø3.40 ∇ .98, WAS 14X R.13 IS 18X R.13, WAS 6X R.50 IS 7X R.50, WAS Ø1.62 ∇ 1.20 IS Ø1.62 ∇ 1.25, WAS 6.98 IS 3X 6.98, WAS 6.15 IS 3X 6.15, WAS 2X 5.00 IS 5.00, WAS 2X 1.00 IS 1.00. DELETED DIMS 3X 9.98, Ø1.65 ∇ .20, 5.83, 4.18, 2.03, 1.92, 1.12, ∇ .84, ∇ .99, 10.74, 8.74, 7.98, ADDED DIMS 5.81, 4.19, 1.88, 1.32, 2.36, 7.79, 2X 8.56, 9.01, 9.26, 10.46, 2.68, 2X 2.25, 2X 1.42, 1.00, ∇ 1.22, ∇ 1.65, ∇ 1.33. -5 CH'D DIMS WAS 1.76 IS 2.26, WAS 5.56 IS 4.56.	5/30/2017	DPD	JAG

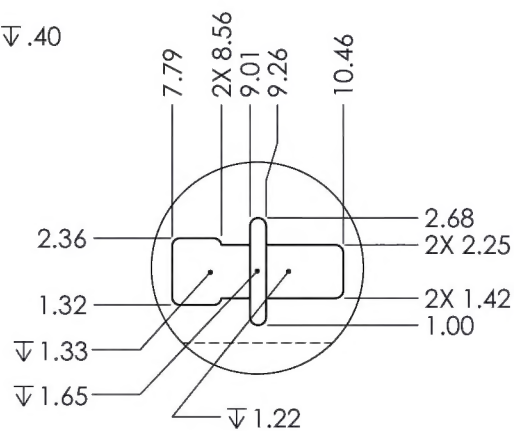
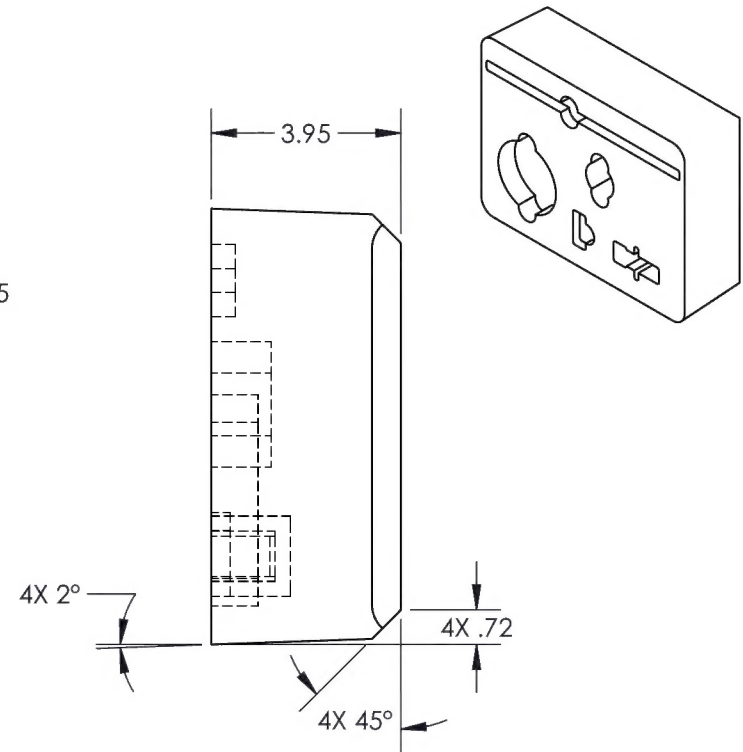
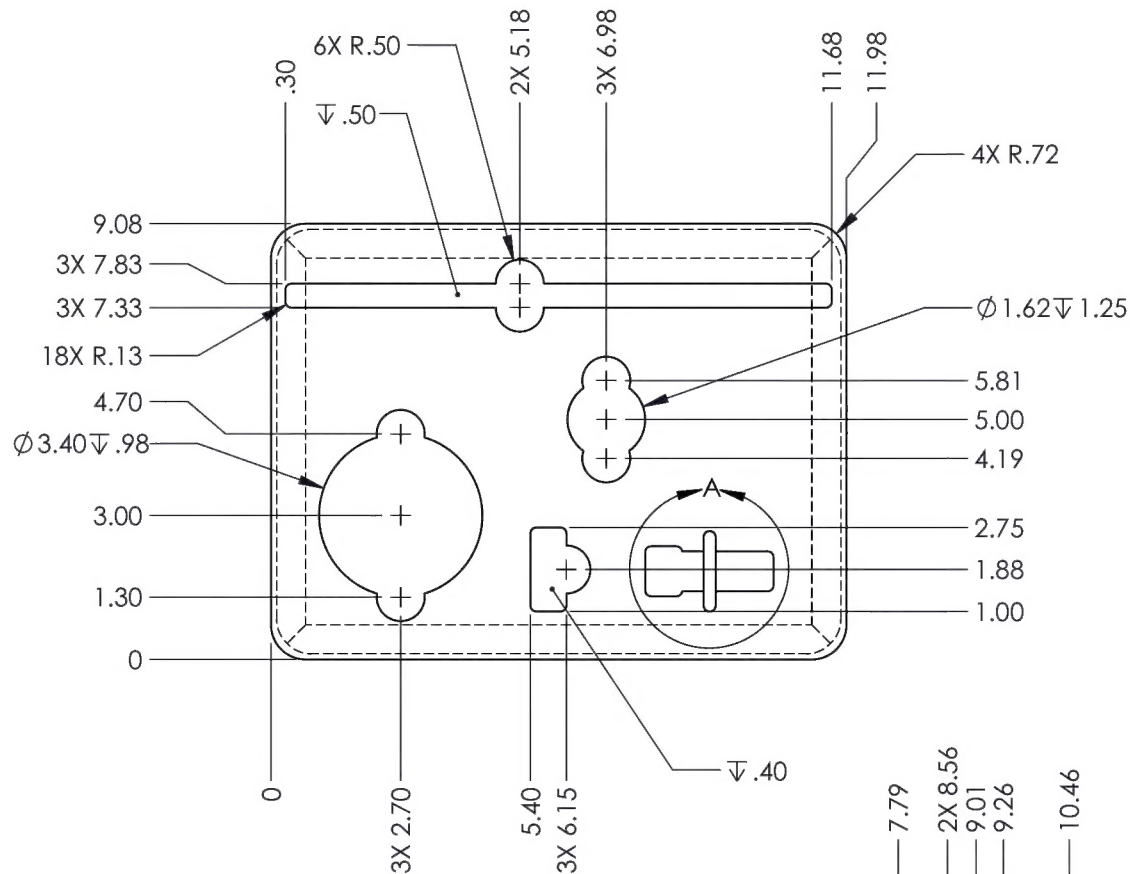


DART AEROSPACE															
TITLE ROTOR BRAKE TOOL KIT															
DWG NO. RBEA62317	REV 3														
<table border="1"> <tr> <td>MAT'L</td> <td rowspan="4"> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125° </td> </tr> <tr> <td>HEAT TREAT</td> </tr> <tr> <td>FINISH</td> </tr> <tr> <td>SPEC</td> </tr> <tr> <td>DRAWN BY: GILBERT</td> <td rowspan="4"> 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 </td> </tr> <tr> <td>CHECKED: MACKOVJAK</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> </tr> <tr> <td>QA APPR: LINDSAY</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td>USED ON MODEL EC135</td> </tr> <tr> <td>SCALE 1:5</td> <td>DATE 2/1/2012 SHEET 1 OF 4</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125°	HEAT TREAT	FINISH	SPEC	DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	CHECKED: MACKOVJAK	OPPS APPR: ANDERSON	QA APPR: LINDSAY	APPROVED: GILBERT	USED ON MODEL EC135	SCALE 1:5	DATE 2/1/2012 SHEET 1 OF 4
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125°														
HEAT TREAT															
FINISH															
SPEC															
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009														
CHECKED: MACKOVJAK															
OPPS APPR: ANDERSON															
QA APPR: LINDSAY															
APPROVED: GILBERT	USED ON MODEL EC135														
SCALE 1:5	DATE 2/1/2012 SHEET 1 OF 4														

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
				1	SOCKET WRENCH		RBE1X36-166-806	1
				1	PULLER		RBE1X53-170-049	1
				1	INSTALLATION TOOL		RBE1X53-176-711	1
		B/O	-3	1	BOTTOM TOOL CUSHION	ETHAFOAM 220, BLACK	3.95 X 9.08 X 11.98 (CASE SOLUTIONS)	3
		B/O	-5	1	TOP TOOL CUSHION	ETHAFOAM 220, BLACK	1.2 X 9.08 X 11.98 (CASE SOLUTIONS)	4
		B/O	-19	1	CASE	PLASTIC	PELICAN #APP-1400-E	N/S
			-21	1	PLACARD	PLASTIC		5
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0170	-3 CH'D MATERIAL WAS Y20 BLACK IS ETHAFOAM 220, BLACK, CH'D DIM WAS 8X R.72 IS 4X R.72, ADDED MISSING DIM 14X R.13, ADDED DIM 4X .72 X 45°, CHD DWG TO SHEET METAL TOLERANCE.	10/13/2016	RJC	JAG
3	17-0124	-3 CH'D DIMS WAS Ø3.40 ∇ .95 IS Ø3.40 ∇ .98, WAS 14X R.13 IS 18X R.13, WAS 6X R.50 IS 7X R.50, WAS Ø1.62 ∇ 1.20 IS Ø1.62 ∇ 1.25, WAS 6.98 IS 3X 6.98, WAS 6.15 IS 3X 6.15, WAS 2X 5.00 IS 5.00, WAS 2X 1.00 IS 1.00. DELETED DIMS 3X 9.98, Ø1.65 ∇ .20, 5.83, 4.18, 2.03, 1.92, 1.12, ∇ .84, ∇ .99, 10.74, 8.74, 7.98, ADDED DIMS 5.81, 4.19, 1.88, 1.32, 2.36, 7.79, 2X 8.56, 9.01, 9.26, 10.46, 2.68, 2X 2.25, 2X 1.42, 1.00, ∇ 1.22, ∇ 1.65, ∇ 1.33.	5/30/2017	DPD	JAG



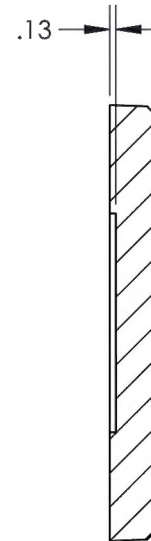
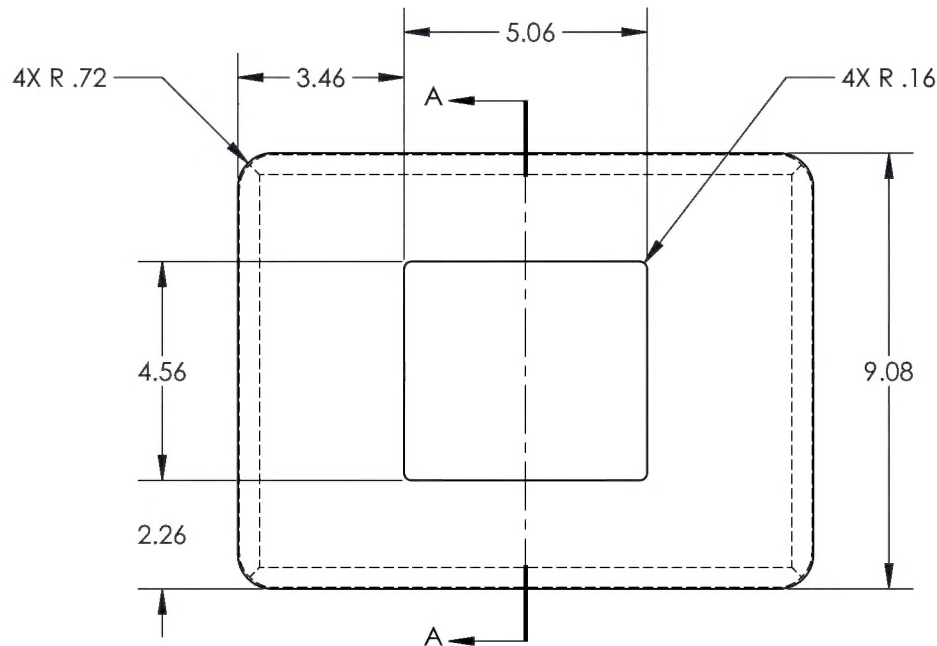
(3)
BOTTOM TOOL CUSHION

DETAIL A
SCALE 1 : 3

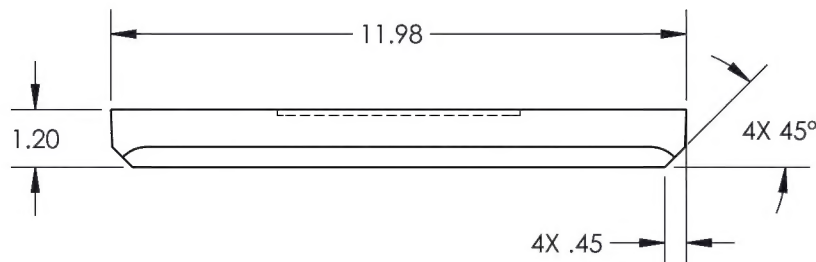
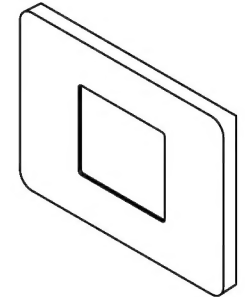
DART AEROSPACE	
TITLE ROTOR BRAKE TOOL KIT	
DWG NO. RBEA62317-3	REV 3
MAT'L ETHAFOAM 220, BLACK	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125°
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC135
SCALE 1:4	DATE 2/1/2012
SHEET 2 OF 4	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0170	-5 ADDED CUTOUT FOR -21 PLACARD, CH'D MATERIAL WAS Y20 BLACK IS ETHAFOAM 220, BLACK, CHD DWG TO SHEET METAL TOLERANCE.	10/13/2016	RJC	JAG
3	17-0124	-5 CH'D DIMS WAS 1.76 IS 2.26, WAS 5.56 IS 4.56.	5/30/2017	DPD	JAG



SECTION A-A



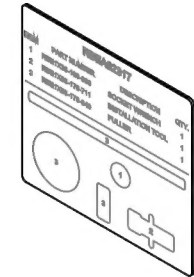
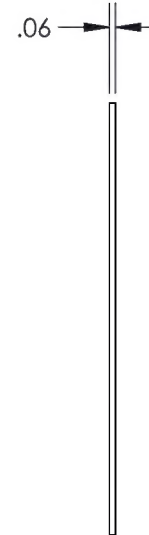
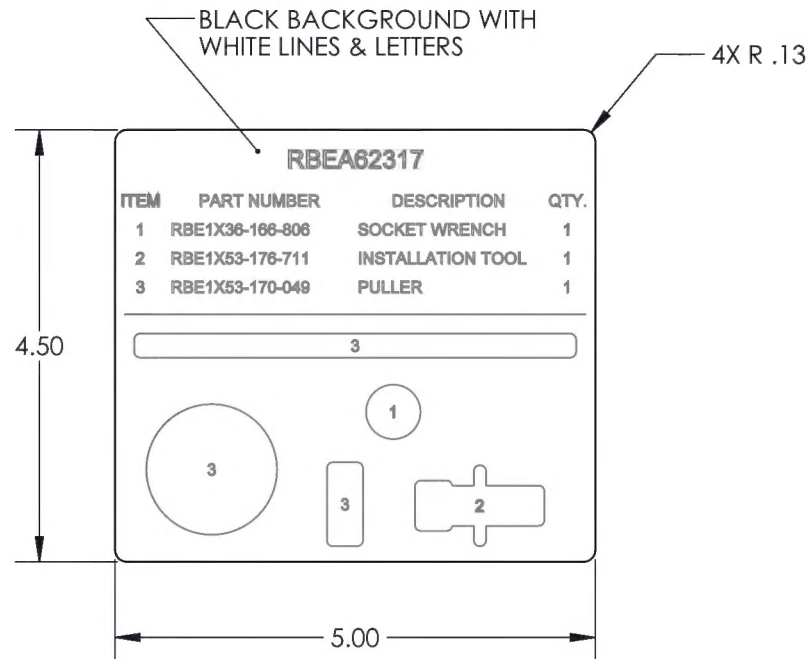
(5)

TOP TOOL CUSHION

DART AEROSPACE	
TITLE ROTOR BRAKE TOOL KIT	
DWG NO. RBEA62317-5	REV 3
MAT'L ETHAFOAM 220, BLACK TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	GILBERT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL EC135	
SCALE 1:4	DATE 2/1/2012
SHEET 3 OF 4	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0170	-21 ADDED PLACARD.	10/13/2016	RJC	JAG
3	17-0124	-21 DELETED ITEMS 4, 5, 6, 7. CH'D DIM WAS 4.50 IS 4.50. CH'D GRAPHICS TO REFLECT NEW CUTOUTS.	5/30/2017	DPD	JAG



NOTE:
USE PDF.

(21)
PLACARD

DART AEROSPACE	
TITLE ROTOR BRAKE TOOL KIT	
DWG NO. RBEA62317-21	REV 3
MAT'L PLASTIC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC135
SCALE 1:2	DATE 7/11/2016
SHEET 4 OF 4	